

I Claim:

1. A container for at least one of storing and transporting at least one semiconductor product, the container comprising:

a housing, containing:

a support region supporting said housing when standing on substantially even ground;

a load/unload region for loading and/or unloading the semiconductor product;

a cover region enclosing the semiconductor product from at least two directions; and

second support members positioned at predefined positions of said housing and engageable with first support members forming part of a loadport to which said housing is couplable to; and

marking elements marking reference points of the container and disposed on said housing, said reference points having predefined positions relative to said second support members.

2. The container according to claim 1, wherein said housing has surfaces and said marking elements are disposed on at least two of said surfaces.
3. The container according to claim 2, wherein said housing has surfaces and said marking elements are disposed on at least three of said surfaces.
4. The container according to claim 1, wherein said marking elements are three-dimensional markings.
5. The container according to claim 1, wherein said marking elements are optical markings.
6. The container according to claim 5, wherein said optical markings are contrast markings.
7. The container according to claim 1, wherein said marking elements are reflective.
8. The container according to claim 5, wherein said optical markings are labels attached to said housing..
9. The container according to claim 1, wherein said marking elements each identifying a reference point in two directions.

10. The container according to claim 1, further comprising further optical markings identifying a front-side, a side, a rear-side or a top-side of said housing.

11. The container according to claim 1, wherein said second support members are connected to said support region.

12. The container according to claim 1, wherein said housing has grooves formed therein and said second support members are said grooves.

13. The container according to claim 1, wherein said housing forms a front-opening unified pod.

14. A system for handling a container for semiconductor products, the system comprising:

a handler for transporting the container between a loading/unloading position of a loadport to which the container is couplable to, to positions at other locations, and for positioning the container in an loading/unloading position, the loading/unloading position being such that first support members forming part of the loadport engage with second support members forming part of the container;

a detector for detecting reference point positions of the container; and

a localization device for computing a position of the container from detected reference point positions, said detector and said localization device control a positioning of the container in the loading/unloading position, if actual positions of the container deviate from predefined positions stored by the system and/or if the actual positions at other locations are non-predefined with a view to at least one direction or orientation.

15. The system according to claim 14, wherein said detector is attached to said handler being a movable handler.

16. The system according to claim 14, wherein said detector includes an optical camera.

17. The system according to claim 14, wherein said localization device computes a comparative position of said handler relative to a position of the container.

18. The system according to claim 17, wherein said handler is controllable to move from the comparative position to a position predefined relative to the container and suitable for grabbing the container.

19. The system according to claim 14, wherein the system is constructed to transport and position containers of the kind according to claim 1.